

## Mouse Monoclonal Antibody to PYCARD

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|--------------------------------|---|
| <b>Catalogue Number</b>        | sAP-1345  |
| <b>Target Molecule</b>         | <p><b>Name: PYCARD</b></p> <p><b>Aliases:</b> ASC; TMS; TMS1; CARD5; TMS-1</p> <p><b>MW: 21.6kDa</b></p> <p><b>Entrez Gene ID: 29108</b></p>  |
| <b>Description</b>             | <p>This gene encodes an adaptor protein that is composed of two protein-protein interaction domains: a N-terminal PYRIN-PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. In normal cells, this protein is localized to the cytoplasm; however, in cells undergoing apoptosis, it forms ball-like aggregates near the nuclear periphery. Two transcript variants encoding different isoforms have been found for this gene.;</p> |
| <b>Immunogen</b>               | Purified recombinant fragment of human PYCARD (AA: 1-120) expressed in E. Coli.   |
| <b>Recitative Species</b>      | Human;  |
| <b>Clone</b>                   | MM1C3D7;  |
| <b>Size and Concentration</b>  | 100µg/1mg/ml  |
| <b>Supplied as</b>             | Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide   |
| <b>Reconstitution/Storages</b> | Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage  |
| <b>Applications</b>            | ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400   |
| <b>Shipping</b>                | Regular FEDEX overnight shipment (ambient temperature)  |
| <b>Reference</b>               | 1.J Invest Dermatol. 2013 Feb;133(2):518-27. ; 2.Cancer Sci. 2010 Aug;101(8):1822-7.;   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**